High Power LED Washer

45-3in1 Plus 45-3W（totaling 90 PCS）

User Manual

Neo-Neon LED Lighting International Ltd.

INDEX

Ⅰ、**Introduction**

Welcome to using the high power LED washer from Neo-Neon. The light takes the high power LED technology, with long lifespan and high IP rating. It has the high power red, matched with the green and blue balanced. It can make all kinds of vivid illumination effects, along with DMX receiving and auto mode. If the power supply cable is connected, White light will be turned on. The operation interface is easy to operate and user-friendly, which is achieved by key and 5*7LED matrix. It is suitable for the entertainment, decorative, architecture illumination industry.

● Main Functions:

* R,G,B mixed colors and can make all kinds of colors
* Adjust the brightness linearly
* The adjustable strobe effect
* The prefabricated colors and the "rainbow" effect
* Install all kinds of specification by hand
* Show the function of 180 degrees overturning
* English manual system an the adjustable brightness of the digital displaying tube
* The safeguarding function of over-heat
* Auto Test Mode
* Record the running time of the different colorful LED
* Record the total running time of the fixture
* Can edit three pieces of programs, 10 acts of each program for maximum
* Can edit 36 pieces of time events, each event can randomly install the running start and end time of the included programs.
* All above are the function and setting of RGB light and the white light head will always be on.

● Control Mode

* DMX-512
* Run alone through installing build-in programs
* Install the independent running programs for everyday during one week
* Drive 30 pieces of fixtures through the Master/Slave mode
* Install the DMX address of the fixture

● Configuration:

45 PCS 3 IN1 3W LED　Plus　45 3W white high power LED，　totaling 90 PCS

● Angle:

* The adjustable angle for double heads: 0°---120°
* The adjustable angle for single head: 0°---90°
* The angle of this item ：25°
* The angle of the lens Available ：10°,25°,10°+25°, 25°,+40°

Ⅱ、**Technical Specification**

DMX-512 and 8 pieces of channels
The RGB mixed colors is 255 grades and white light once powered

The total adjustable brightness: 0-100%

Power：275W

The power input: AC88--265V   50/60Hz

Dimensions: L660XW250XH517MM

Weight: 30 KG (including the connecting line and the accessories)

IP rating: IP65

Ⅲ、 Security Warning:

- Please read the user manual carefully before using and abide by the operation introduction
- The fixture should be connected with the power supply attached the ground line, and the power voltage should be matched with the rated voltage
- The fixture is not attached with any accessory and just can choose the accessory which belongs to the manufacture
- The operating temperature should be not above 40℃ and not below -20℃

  If there are some problems, please ask the professional for repair

  We change our packaging of four hand wheels used for position into four smaller ones for safety when packaging and transportation. The six hand wheels will be packaged and complimented away with the lamp. If the customer needs them, we will change back.
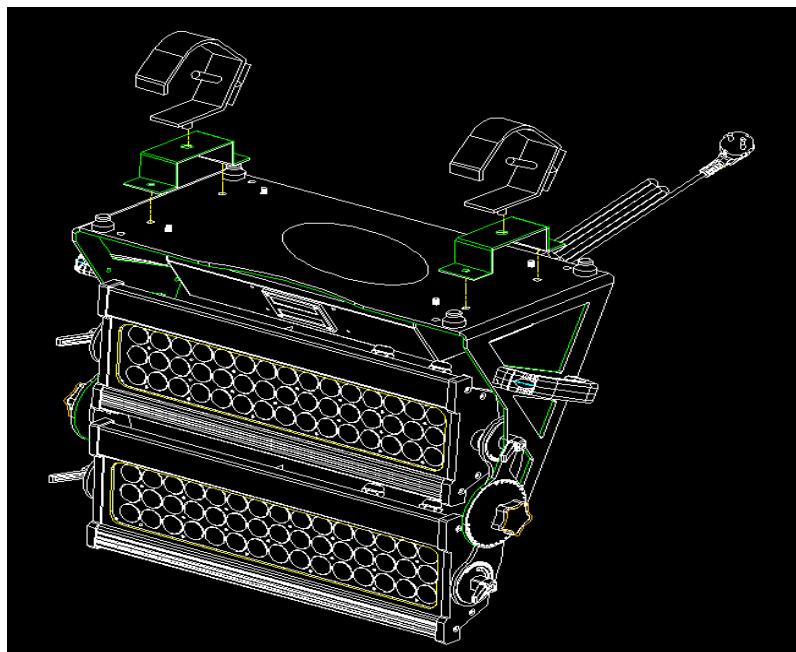
Note:

When the power plug is not connecting the dependency, please connect the housing with the ground to avoid the damages of the static and charge causing to the product.
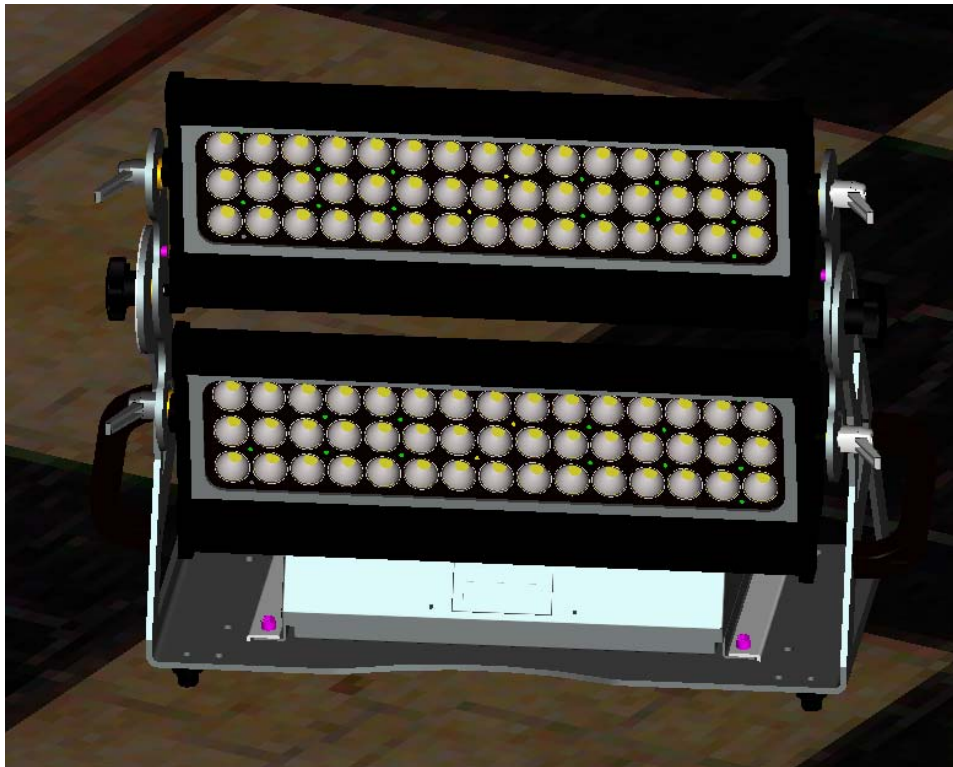
Ⅳ、 Installation and Setup

ⅰ The sketch map of hanging and installing

The product can be locked on the truss by the lock nip: at first, put the nip into the truss and then screw down and adjust the screw.

ii、This product can be laid on the flat ground by the rubber cushion under the bracket of the fixture shown as below:

iii、You can pull out the screw used for securing the power supply and then take out the power supply crust. The effect picture is illustrated as below:
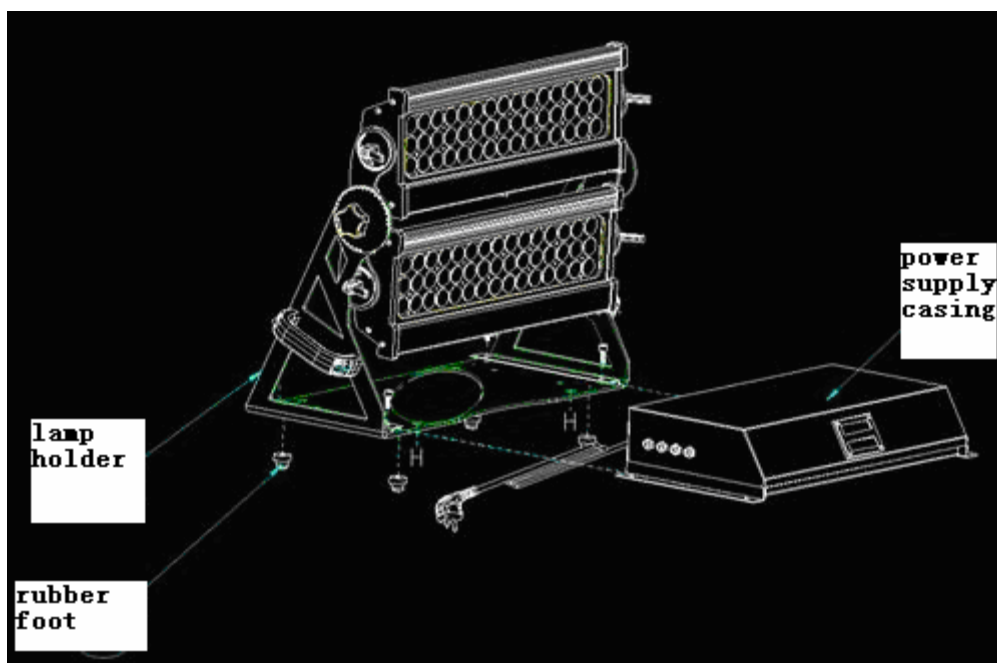
iv. When the crust of the power supply is pulled out, there are four isosceles slots under the bracket of the fixture. You use bolt through isosceles aperture to link and position the object and install the crust of the power supply. The final effect picture is illustrated as below：
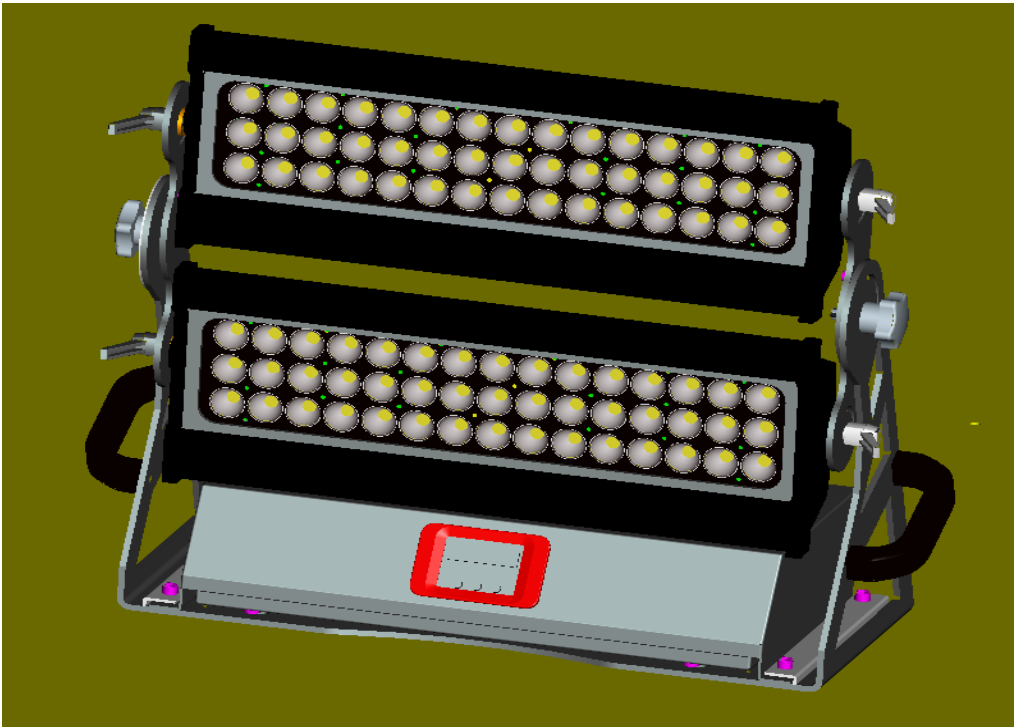
Ⅴ、 The operation instruction

ⅰ. The panel instruction
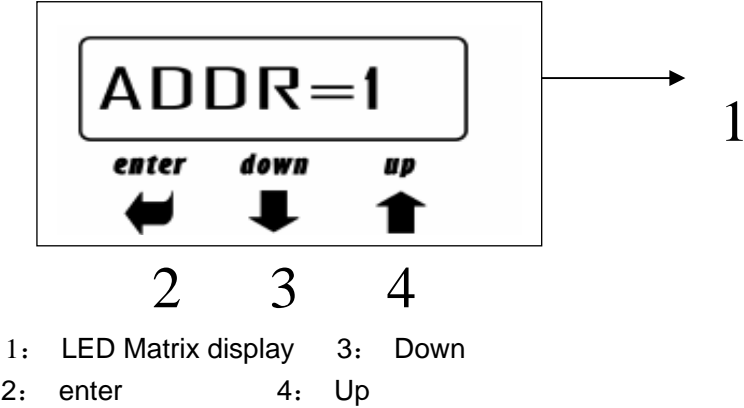
1： LED Matrix display   3： Down

2： enter   4： Up

ⅱ Menu instruction

No	Title	Content	Content of main menu	Change the content	Submenu	Submenu options	How to enter submenu	functions
1	Set DMX signal channels	**A001**	**Press enter**	**Press Up/enter**				Set up the DMX starting channels
2	Adjust White Balance	**balance**			√	**Rblac**	Press enter for 2-3seconds	Set up RGB parameter
						Gblac		
						Bblac		

						Enable		
3	Boost	**boost**	**Press enter**	**OFF**				Boost off
4	adjustment for Red Led operating time	**R_H**	**Press enter**	**Press Up/enter**				operating time of Red led
5	Green Led Run Hour adjustment	**G_H**	**Press enter**	**Press Up/enter**				The time of red green display
6	Blue Run Hour adjustment	**B_H**	**Press enter**	**Press Up/enter**				The time of blue display
7	Signal	**signal**	**Press enter**	**No Change**				Choose DMX
8	Brightness of screen	**bright**	**Press enter**	**Press Up/enter**				Adjust the brightness of the screen.
9	Display Flip Or Not	**DSPFLI**	**Press enter**	**Press Up/enter**				Adjust the positive or opposite display
10	DMX delay	**Dmxdl**	**Press enter**	**Press Up/enter**				Set up the period for the wash with no DMX signal
11	Time	**time**			√	**YEAR** **M/D** **H:M** **WEEK**	Press enter for 2-3seco	Set up the inner time of the wash
12	Factory Parameters	**FACT**						Recover the parameter
13	Previous Parameters	**PREV**						Recover the parameter previously set up
14	Test	**test**			√	**Red** **Green** **Bule** **CTC** **All** **shutt** **Dimer**	Press enter for 2-3seconds	Test the color temperature of RGB on the wash
15	Temperature	**temper**	**Press enter**	**Press Up/enter**				Show the temperature on the head of washer.
16	Master		**Press enter**	**Press Up/enter**				Set up the way of operating
17	Slaver	**SlavID**	**Press enter**	**Press Up/enter**				Set up the slave

|							
							number when the slave machine runs
18	Schedule Enable or not	**Sched**	**Press enter**	**Press Up/enter**			To see whether it runs as scheduled or not
19	Program Run	**Pgrun**					Select the programs
20	Program Set	**Pgset**			√	**Prog** **SCENE** **FIXT** **shutt** **dimer** **R** **G** **B** **mac** **tm_h** **tm_m** **tm_s** **fd_h** **fd_m** **fd_s** **SCNRU**	Press enter for 2-3seconds	Edit the programming of the wash
21	Schedule	**Schedu**			√	**event** **program** **day** **start** **end** **enable**	Press enter for 2-3seconds	Edit the timing

iii：**Function Instruction:**

1. Reset after it is connected to power supply and below are steps to control RGB light.

When it is connected to the power supply, the system is initialized. The reset interface of the display shows as below drawing. When the display has shown for two seconds, it will enter into the operation mode the last time it has run.

Init...

↓

HELLO

1. DMX/Linking Mode：

```
HELLO
   ↓
A001
   ↓
MASTR=OFF
```
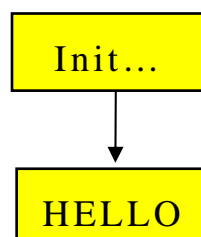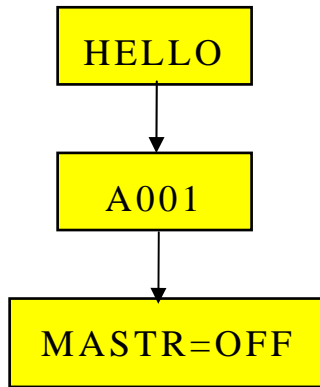
2.1　DMX Operation Instruction：

Step1：When the display shows HELLO, the dot flick. Then press UP to enter main menu A***. Then press MODE for a short second when the three value, DMX address, after A flick. The three value ranges from 1 to 512. Press UP or DOWN to change the DMX address.

Step2：After press MODE for a short second, the display does not flick. Then press UP or DOWN to enter main menu MASTER when you press MODE for a short second. The display flicks and press UP or DOWN until the display shows OFF, namely entering into DMX mode.

2.2　DMX Connector：

DMX male connector:

PIN1　GND　　　ground wire

PIN2　- COLD　　signal negative

PIN3　+ HOT　　signal positive

2.3 DMX Link Chart：
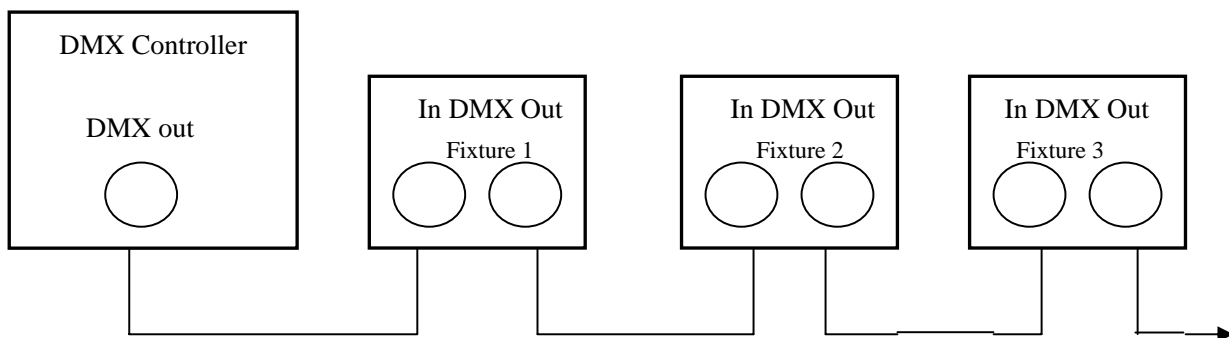
The distribution under the DMX control

Channel	Name	Value	Function Description
1	Shutter/Strobe	0-3	off
		4-6	on
		7-59	strobe(20~1Hz)

|		60-69	Visional Strobe on
		70-78	Visional Strobe off
		79-87	Randomly strove(from fast to slow)
		others	On
2	Dim0	0-255	Total brightness adjustment
3	R0	0-255	The value of the red brightness
4	G0	0-255	The value of the green brightness
5	B0	0-255	The value of the blue brightness
6	Dim1	0-255	Total brightness adjustment Channel
7	R1	0-255	The value of the red brightness
8	G1	0-255	he value of the green brightness
9	B1	0-255	The value of the blue brightness
10	CTC	0-19	Off
		20-255	+2000 k° to -2000 k°
11	MAC	0 - 7	No effect
		8 - 15	Rainbow slow mode-5 seconds
		16 – 23	Rainbow medium speed mode-5 seconds
		24 - 31	Rainbow fast speed mode-5seconds
		32 - 39	Rainbow slow speed mode-no time to remain
		40 - 47	Rainbow medium speed mode - no time to
		48 - 55	Rainbow fast speed mode - no time to remain
		56 - 63	Rainbow very slow mode - no time to remain
		64 - 70	Slow speed random colors
		71	The installed color function
		72 - 79	Medium speed random color
		80 - 87	Fast speed random color
12	White balance control	0-63	Forbid white balance
		64-189	Open the white balance
		190-250	Forbid white balance
		251-255	Restore the white balance color (Set White Balance Control channel in the value of220.Set up RGB channel parameter and reset Macro channel 71，White Balance Control channel is255 for 4seconds)

Instruction:

1. When the value of MAC is between 8 and 87, the channel 3, 4, 5, 7, 8, 9 is invalid. The operating value is installed of red, green and blue. Other channel is valid.

2. When the value of MAC is between 0 and 7 and between 88 and 255, all channels are valid.

3. Method to restore the white balance color: Channel1= 4-6 or 88-255; Channel 2=255,Channel 6=255;Channel 10=0;Channel 11=255,Channel 12=0;Then adjust channel 3,4,5,7,9 and make the two lamp upward and downward. Finally, set channel 2=220, channel 11=71 and channel 12=255 and keep it for four seconds.

4. Linking Mode

Firstly turn off the DMX controller then put one of the fixture in master mode and others in slave mode.

Details as below:

1>SLavID menu
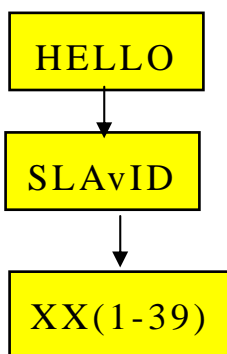
Instruction：

Steps：When the display shows HELLO, the dot flicks. Then press UP/DOWM for a short second until the display switch to the main menu SLAVID. Then press MODE for a short time. It will show submenu XX （01-39）, flicking. Press UP/DOWN to change the ID of this product. After selection, press MODE for a short time，the display will return to main menu SLAVID.

Note：

The setting of main menu SLAVID is valid under auto and DMX mode. If you want to know more explicitly about it, you can read the Fix menu setting.

HELLO

↓

**SLAvID**

↓

XX(1-39)

1> Fixt. Menu
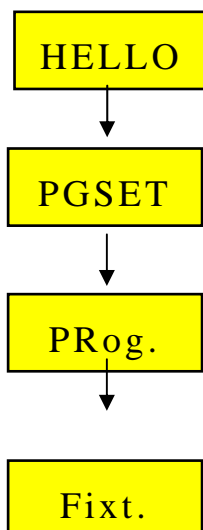
Instruction:

Steps1: When the display shows HELLO, the display flicks. Then press UP/DOWN for a short second.
Adjust to PGSET, and then press MODE for a little longer time until the display shows PRog.

.

Steps2： Press UP/DOWM until the display shows Fixt. Then press MODE for a short second，the display will show ALL, ODD, EVEN, MASTR or SLV01-SLV29 and the display will flick. Select one of them and press MODE for a short second to switch to menu Fixt. Then press MODE for a longer time until the display shows PGSET.
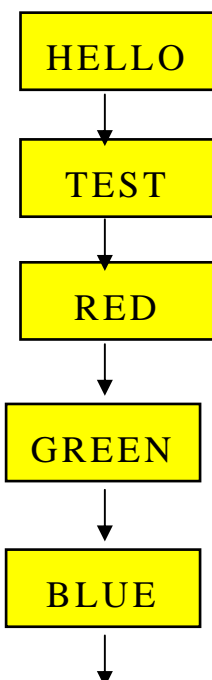
HELLO

↓

PGSET

↓

PRog.

↓

Fixt.

Note：

11
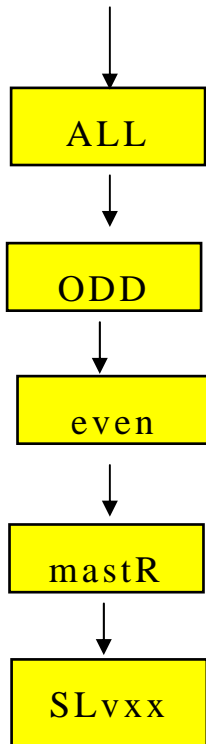
1：When the display of the host computer shows Fixt= ALL. This indicates that it runs normally.

Whatever the Fixt value is, it will receive the data from master fixture.

2：When the Fixt value of the master is ODD, the program of the master will run normally under the condition that the SLAVID value of the master is odd number. The slave fixture will receive data from the master under the condition that the SLAVID of the slave is odd.

3：When the Fixt value of the master is EVEN, the program of the master will run normally under the condition that the SLAVID value of the master is even number. The slave fixture will receive data from the master under the condition that the SLAVID of the slave is even.

4：When the display of the host computer shows Fixt= MASTER. This indicates that it runs normally.

Whatever the Fixt value of the slave is, it will not receive the data from master fixture.

5：When the display of the host computer shows Fixt= SLV01（XX=（01-29），the master runs normally.

The slave fixture will receive data from the master under the condition that the Fixt value of the slave fixture is SLV01.

When the display of the host computer shows Fixt= SLV02（XX=（01-29）），the master runs normally.

The slave fixture will receive data from the master under the condition that the Fixt value of the slave fixture is SLV02.The rest will be deduced by analogy.

ⅳ．**TSET Mode**：

Instruction：

Step1：When the display shows the main menu HELLO, the dot flicks. Then press UP/DOWN for a short second. It will show TEST. Then press MODE for a longer time until the display shows submenu RED.

Step2：Press UP for a short time, the display showing RED does not flick. Then press MODE for a short time until the submenu RED flick when all red LEDs of the two fixtures begin to be visional. Then press MODE for a short second until the submenu RED does not flick when all red LEDs are off.

Step3：Press UP for a short time, the display showing GREEN does not flick. Then press MODE for a short time until the submenu GREEN flick when all green LEDs of the two fixtures begin to be visional. Then press MODE for a short second until the submenu Green does not flick when all green LEDs are off.

Step4：Press UP for a short time, the display showing BLUE does not flick.

12
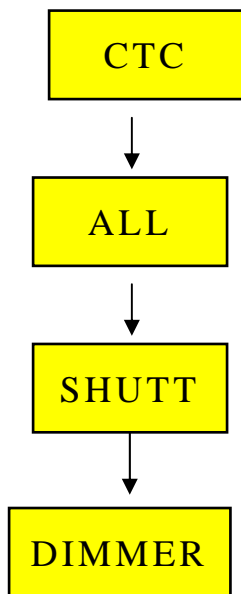
Then press MODE for a short time until the submenu BLUE flick when all blue LEDs of the two fixtures begin to be visional. Then press MODE for a short second until the submenu BLUE does not flick when all blue LEDs are off.

Step5：Press UP for a short time, the display showing CTC does not flick. Then press MODE for a short time until the submenu CTC flick when all LEDs of the two fixtures are on. Then press MODE for a short second until the submenu CTC does not flick when all LEDs are off.
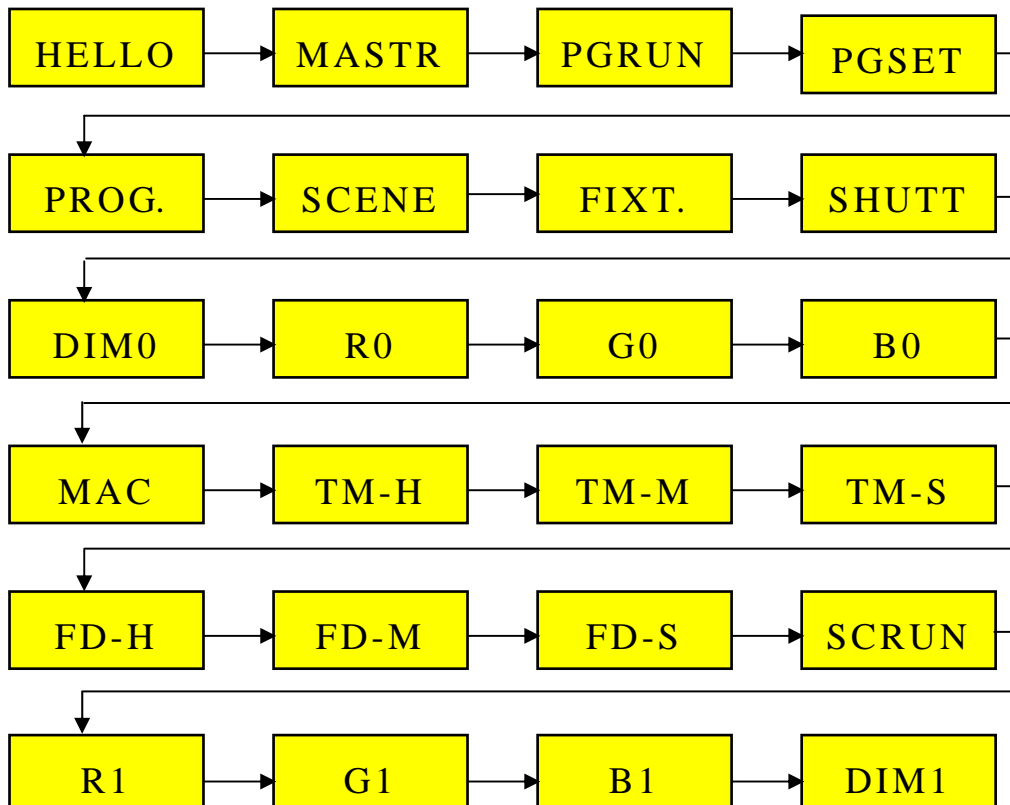
Step6：Press UP for a short time, the display showing ALL does not flick. Then press MODE for a short time until the submenu ALL flick when all LEDs of the two fixtures begin to be visional. Then press MODE for a short second until the submenu ALL does not flick when all LEDs are off.

Step7：Press UP for a short time, the display showing SHUTT does not flick. Then press MODE for a short time until the submenu SHUTT flick when all LEDs of the two fixtures begin to strobe. Then press MODE for a short second until the submenu ALL does not flick when all LEDs are off.

Step8：Press UP for a short time, the display showing DIMER does not flick. Then press MODE for a short time until the submenu DIMER flick when all LEDs of the two fixtures begin to adjust brightness automatically. Then press MODE for a short second until the submenu DIMER does not flick when all LEDs are off.

Step9：After test, press MODE for a longer time until the display menu shows submenu Test.

```
CTC
 │
 ▼
ALL
 │
 ▼
SHUTT
 │
 ▼
DIMMER
```

Ⅴ．**Auto Mode：**

```
HELLO → MASTR → PGRUN → PGSET ┐
┌─────────────────────────────┘
PROG. → SCENE → FIXT. → SHUTT ┐
┌─────────────────────────────┘
DIM0 → R0 → G0 → B0 ┐
┌───────────────────┘
MAC → TM-H → TM-M → TM-S ┐
┌────────────────────────┘
FD-H → FD-M → FD-S → SCRUN ┐
┌──────────────────────────┘
R1 → G1 → B1 → DIM1
```

Instruction：

　　Step1：When the display of the main menu shows HELLLO, the dot flicks. Then press UP/DOWN for a short second until the master is on.

　　Step2：Press MODE to switch to main menu and then switch to submenu PGRUN (OFF, 1 ,2, 3) OFF means it does not work，1 represents that it operates in the first program. 2 represents that it operates in the second program. 3 represents that it operates in the third program.

　　Step3：Press MODE for a short time and exit to main menu. Switch to PGSET, and then press MODE for a longer time until the display shows PROG. The value of PROG ranges from 1 to 3. 1 stands for the program which needs to be edited is program1. 2 stands for the program which needs to be edited is program2. 3 stands for the program which needs to be edited is program3.Take the PROG=1 as example, every program can used to set 10 scenes the most, 1 the least each of which needs to set 18 parameters。Detailed as below:

　　Step4：　Switch to submenu SCENE (1-10), at first you set 1.

　　Step5：　Switch to submenu FIXT. = ALL，（about the FIXT has been introduced above）.

　　Step6：　Switch to submenu SHUTT（0-255）. You set it to 80.You can set the below value according to your own demand.

　　　　　Shutt (0-255): detailed parameter as below

　　　　　Shutt（0-3）：　all leds are off；

　　　　　Shutt（4-6）：　on；

　　　　　Shutt（7-59）：strobe (20~1Hz) ；

　　　　　Shutt（60-69）：Visional Strobe on：

　　　　　Shutt（70-78）：Visional Strobe off

　　　　　Shutt（79-87）：Randomly strobe (from fast to slow)

　　　　　Shutt（88-255）：On；

　　Step7：　Switch to submenu DIM0.This value cannot be set 0. The value is 255(the total brightness of the first lamp).

　　Step8：　Switch to submenu R0.The value ranges from 0 to 255.It is used to adjust the red brightness of the first fixture. The value is 0 here.

　　Step9：　Switch to submenu G0.The value ranges from 0 to 255.It is used to adjust the green brightness of the first fixture. The value is 255 here.

　　Step10：Switch to submenu B0.The value ranges from 0 to 255.It is used to adjust the blue brightness of the first fixture. The value is 255 here.

　　Step11：Switch to submenu MAC, the value of which ranges from 0 to 255.When the value of MAC is between 8 and 87, the setting value of the R0，G0，B0，R1，G1，B1 is valid. Otherwise it is the value installed.

　　　　　MAC（0-7）：When the value of MAC is 0-7 and 88-255, all channels are valid.；

　　　　　MAC（8-15）：Rainbow slow mode-5 seconds

　　　　　MAC（16-23）：Rainbow medium speed mode-5 seconds

　　　　　MAC（24-31）：Rainbow fast speed mode-5seconds

MAC（32-39）：Rainbow slow speed mode-no time to remain

MAC（40-47）：Rainbow medium speed mode - no time to remain

MAC（48-55）：Rainbow fast speed mode - no time to remain

MAC（56-63）：Rainbow very slow mode - no time to remain

MAC（64-70）：Slow speed random colors

MAC（72-79）：Medium speed random color

MAC（80-87）：Fast speed random color

MAC（88-255）：When the value of MAC is between 8 and 87, the channel 3,4,5,7,8,9 is invalid. The operating value is installed of red, green and blue. Other channel is valid.

Step12：Switch to submenu TM-H（0-23），The start value is 0 here, which is used to record running hours.

Step13：Switch to submenu TM-M（0-23），The start value is 0 here, which is used to record running minutes.

Step14：Switch to submenu TM-S（0-23），The start value is 0 here, which is used to record running seconds.

Note：If you want to make it run, the value of TM-H，TM-M and TM-S can not be 0 at the same time. Furthermore, if the white balance control is open, the six balanced value of RGB can not be 0 at the same time.

Step15：Switch to submenu FD-H（0-59），The start value is 0 here, which is used to record visional running hours.

Step16：Switch to submenu FD-H（0-59），The start value is 0 here, which is used to record visional running minutes.

Step17：Switch to submenu FD-H（0-59），The start value is 0 here, which is used to record visional running seconds.

Step18： Switch to submenu SCRUN, when the display shows ON. This indicates that the set can run. When the display shows OFF, the parameter set is invalid.
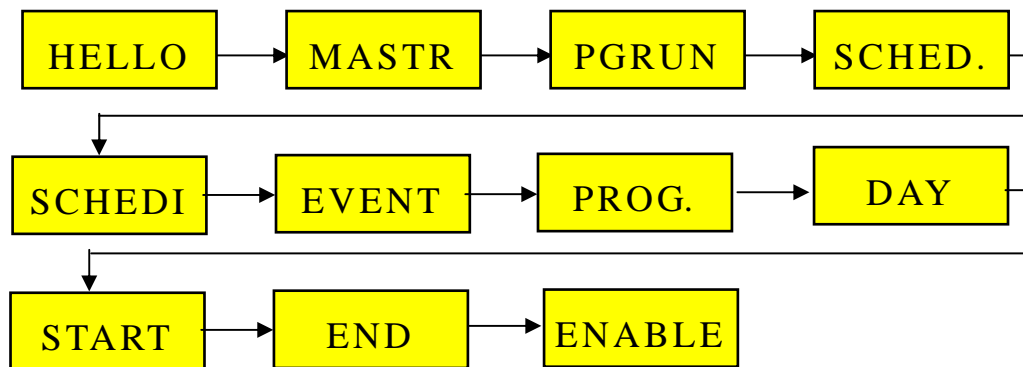
Step19：Switch to submenu R1.The value ranges from 0 to 255.It is used to adjust the red brightness of the second fixture. The value is 255 here.

Step20：Switch to submenu G1.The value ranges from 0 to 255.It is used to adjust the green brightness of the second fixture. The value is 0 here.

Step21：Switch to submenu B1.The value ranges from 0 to 255.It is used to adjust the blue brightness of the second fixture. The value is 0 here.

Step22：Switch to submenu DIM1.The value can not be 0.It is 255 now (the total RGB brightness of the second fixture).

Step23：The first scene of the first program is finished. Then switch to submenu SCENE (1-10). At first you select scene 2.Follwing the above step 4 to step 22, totaling 18 parameters. You can set the quantity of scene (maximum: 10 minimum: 0) according to your own requirement.

ⅵ．**Timing operation mode：**

```
HELLO → MASTR → PGRUN → SCHED.
                                 ↓
SCHEDI → EVENT → PROG. → DAY
  ↓
START → END → ENABLE
```

Instruction：

　　Step1：When the display shows HELLO, the dot flicks. Then press UP/DOWM for a short second. And then switch to main menu and set it ON.

　　Step2：Press MODE for a short time and back to main menu. Then switch to main menu PGRUN and set it OFF.

　　Step3：Press MODE for a short time and back to main menu. Then switch to main menu SCHED and set it ON.

　　Step4：Press MODE for a short second and back to main menu. Then switch to main menu SCHEDI and press MODE for a longer time until the display shows EVENT（1-36）.It can edit 36 pieces of time events for maximum. When the value is 1, edit event1 operating parameter.

　　Step5：Switch to submenu PROG.（1，2，3），which indicate that the program event1 run, is shown, totaling 3, three programs under auto mode. You choose program1 here.

　　Step6：Switch to submenu DAY to ensure which day this event runs. You can choose from Monday to Sunday.

　　　　　　DAY=MON：　indicates that this event can only run on Monday；
　　　　　　DAY=TUE：　 indicates that this event can only run on Thursday；
　　　　　　DAY=WED：　indicates that this event can only run on Wednesday；
　　　　　　DAY=THU：　indicates that this event can only run on Thursday；
　　　　　　DAY=FRI：　　indicates that this event can only run on Friday；
　　　　　　DAY=SAT：　　indicates that this event can only run on Saturday；
　　　　　　DAY=SUN：　indicates that this event can only run on Sunday；
　　　　　　DAY=ALL：　indicates that this event can only run from Monday to Sunday.

　　Step7：　Switch to submenu START to ensure when the event starts run. The time is set at 08：00.

　　Step8：　Switch to submenu START to ensure when the event ends. The time is set at 23：00.

　　Step9：　Switch to submenu ENABLE = ON, which represent that the time is valid.

　　Step10：When you repeat the steps 4 to steps 9, you can make other events run at scheduled time.

(Remark：Set SCRUN of main menu PGSET =ON)

ⅶ．**Temperature protection Mode：**

　　When the temperature of the fixture is higher than 50℃, the brightness will decrease correspondingly. When the temperature of the fixture is higher than 80℃, the fixture will be off automatically.

Ⅵ. Daily Maintenance

Trouble Shooting

Trouble	Reasons	Trouble Shooting
One or many of fixtures does not work	No power supply	Check whether the power supply is turned on and the power cable is connected well.
	The power supply is burnt.	Turn of the power supply. Then change into the same type of power supply. If the power supply is burnt continuously, there may have some problems with the power cable. Please ask professional staff to repair.
The replacement is normal but the controller can not work well or there is no feedback	The data connecting is wrong or uncompleted	Check, repair or change the data cable and check whether it is connected well and the signal input of the first fixture is connected with the output of the controller
	Whether it is in Master mode	Set it in slave mode under DMX Mode
	Wrong address	Check the address and set uniformly
	There is a piece of fixture whose connector can not work normally	After pulling the input and output signal cable out of the fixture and connect each other directly. Then check whether there is a problem with the fixture. If it works well after connecting, it proves that there is a problem with the signal connector of the fixture. According to the method---trouble shooting, then select the broken fixture and ask the professional staff to repair.
	The signal output of the controller is not matched with the connector of the signal receiving(PINS2—3 is wrong)	Dial the polarity switch of the controller to "PHASE", and exchange the address of PIN2—3

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1、 Cleaning and Maintaining

Although we have already strengthened the credibility of the product in design, we always continue to keep the high level of quality and try our best to extend the lifetime of the product. We should maintain the product regularly and confirm the light to show itself under the best situation, which is necessary.

I、 The cleaning of the fixture.

II、 The cleaning maintaining of the lens

To ensure the optimum effect of the fixture, please clean each lens or the reflecting configuration. Please use the soft cotton cloth with little lotion to clean lens and protect the lens from damage.
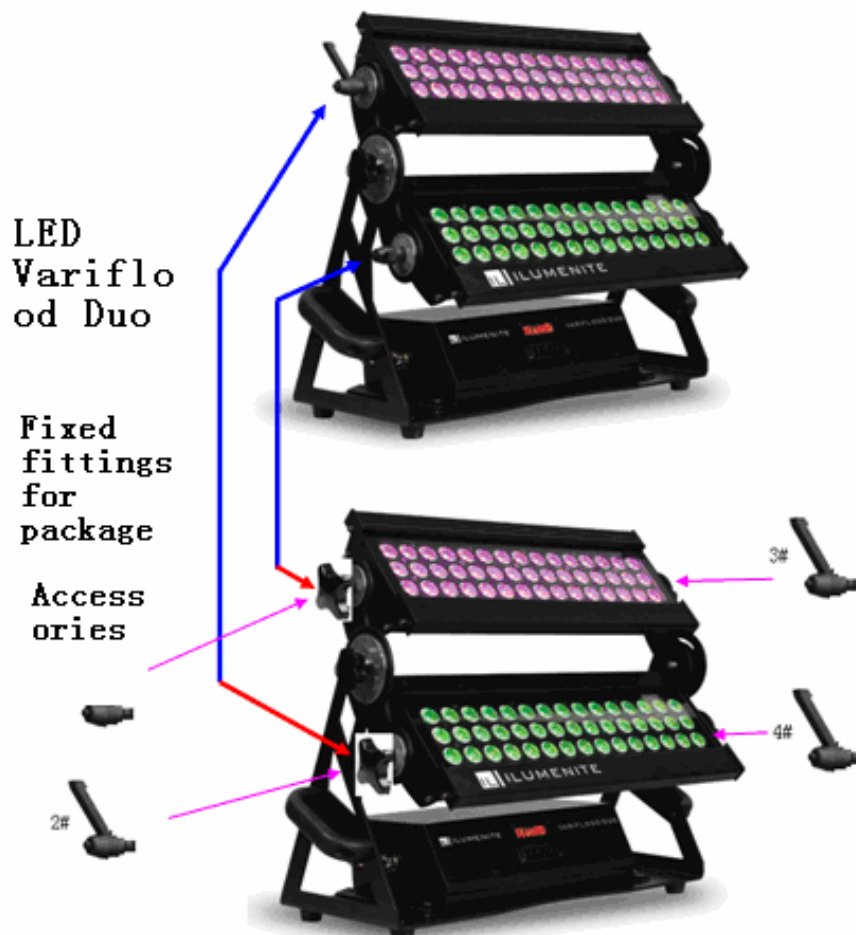
III、The regular examine of the cables

Check the connecting cable, cloth cable and ground cable to ensure the security of the fixture of usage.

Ⅶ. Other type of this item product as below:

Beam angle	Housing COLOR	VOLTAGE	
		220V	110V
10°	B L A C K	ILDW-7090574-OOD-11	ILDW-7090573-OOD-11
	G R E Y	ILDW-7090574-OOD-21	ILDW-7090573-OOD-21
	W H I T E	ILDW-7090574-OOD-31	ILDW-7090573-OOD-31
2 5°	B L A C K	ILDW-7090524-OOD-11	ILDW-7090523-OOD-11
	G R E Y	ILDW-7090524-OOD-21	ILDW-7090523-OOD-21
	W H I T E	ILDW-7090524-OOD-31	ILDW-7090523-OOD-31
4 0°	B L A C K	ILDW-7090544-OOD-11	ILDW-7090543-OOD-11
	G R E Y	ILDW-7090544-OOD-21	ILDW-7090543-OOD-21
	W H I T E	ILDW-7090544-OOD-31	ILDW-7090543-OOD-31
1 0° ＋2 5°	B L A C K	ILDW-70905D4-OOD-11	ILDW-70905D3-OOD-11
	G R E Y	ILDW-70905D4-OOD-21	ILDW-70905D3-OOD-21
	W H I T E	ILDW-70905D4-OOD-31	ILDW-70905D3-OOD-31
2 5° ＋4 0°	B L A C K	ILDW-70905D4-OOD-11	ILDW-70905D3-OOD-11
	G R E Y	ILDW-70905D4-OOD-21	ILDW-70905D3-OOD-21
	W H I T E	ILDW-70905D4-OOD-31	ILDW-70905D3-OOD-31

Sketch Map of hand wheel installation

LED
Variflo
od Duo

Fixed
fittings
for
package

Access
ories

3#

4#

2#

Packaging List for LED Variflood DUO

one set Lamp   Hand wheel (6 PCS)

RMB0.45/PCS

Other accessories like linking
cable and user manual